

## CLAIMS

1. A flywheel in which a central part of a thin plate portion having a flywheel mass provided on an outer peripheral side of the plate portion is joined to an end surface of a crankshaft through a plurality of bolts disposed annularly at intervals, characterized in that, within a contact zone of a substantially polygon defined by linking each center of the bolts with straight lines excluding the bearing surfaces of the bolts, the plate portion has a non-contacting part set not to contact with the end surface of the crankshaft, and the area of the non-contacting part is set to be 40 % to 75 % of the whole area of the contact zone.

2. A flywheel in which a central part of a thin plate portion having a flywheel mass provided on an outer peripheral side of the plate portion is clamped between a reinforcement and an end surface of a crank shaft and is joined thereto through a plurality of bolts disposed annularly at intervals, characterized in that, within a contact zone of a substantially polygon defined by linking each center of the bolts with straight lines excluding the bearing surfaces of the bolts, the reinforcement has a non-contacting part set not to contact with the plate portion, and the area of the non-contacting part

is set to be 40 % to 75 % of the whole area of the contact zone.

3. A flywheel as defined in claim 2, wherein the plate portion is provided with a non-contacting part that does not contact with the end surface of the crankshaft.